

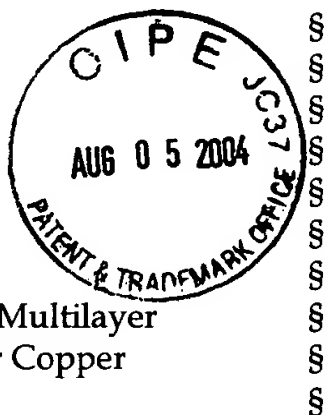
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Lin

Serial No.: 09/587,465

Filed: 06/05/2000

For: Method of Forming Multilayer  
Diffusion Barrier for Copper  
Interconnections



Attorney Docket: TSMC1999-0700/24061.315

Confirmation Number: 7855

Art Unit: 2829

Examiner: Sarkar, Asok K.

Notice of Allowance: 05/03/2004

Commissioner of Patents  
PO Box 1450  
Alexandria, VA 22313-1450  
MAIL STOP ISSUE FEE

SUPPLEMENTAL SHEET TO POWER OF ATTORNEY

In accordance with 37 CFR 1.32 (c)(3) and with reference to the accompanying Power of Attorney, please recognize the following ten patent practitioners as being of record in this application.

Name	Registration Number
Timothy F. Bliss	50,925
Chien Wei Chou	41,672
Andrew S. Ehmke	50,271
Dave R. Hofman	55,272
Wei Wei Jeang	33,305
J. Andrew Lowes	40,706
David L. McCombs	32,271
Julie M. Nickols	50,826
David M. O'Dell	42,044
T. Murray Smith	30,222

Respectfully submitted,

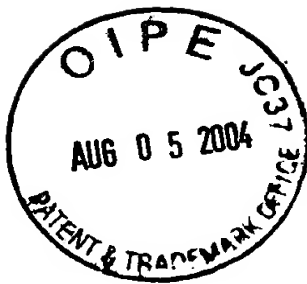
*T. F. Bliss*

Timothy F. Bliss  
Registration No. 50,925

Date: 8/2/04  
HAYNES AND BOONE, LLP  
901 Main Street, Suite 3100  
Dallas, Texas 75202-3789  
Phone: 972-739-8638  
Facsimile: 214-200-0853  
Customer Number: 42717  
R81446.1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450 on 8-2-04.

*Bonnie Boyle*  
Bonnie E. Boyle



Docket No. 1999-0700 / 24061.315  
Customer No.: 42717

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Jung-Cheng Lin	§	Examiner:	Asok K. Sarkar
Serial No.:	09/587,465	§		
Filed:	June 5, 2000	§	Art Unit:	2829
For:	Method of Forming Multilayer	§	Conf. No.:	7855
	Diffusion Barrier for Copper	§		
	Interconnections	§		

**REVOCATION/NEW POWER OF ATTORNEY BY ASSIGNEE  
OF ENTIRE INTEREST INCLUDING CERTIFICATION FOR  
TAKING ACTION BY ASSIGNEE UNDER 37 CFR 3.73(b)**

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The below-named assignee hereby revokes all powers of attorney previously given and hereby appoints the following attorneys to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Jeffrey M. Becker (Reg. No. 35,442); James R. Bell (Reg. No. 26,528); Timothy F. Bliss (Reg. No. 50,925); Randall C. Brown (Reg. No. 31,213); Randall E. Colson (Reg. No. 40,566); Michael A. Davis, Jr. (Reg. No. 35,488); Andrew S. Ehmke (Reg. No. 50,271); Priscilla Ferguson (Reg. No. 42,531); Alan N. Herda (Reg. No. 50,426); William E. Hickman (Reg. No. 46,771); Dave R. Hofman (Reg. No. 55,272); Rita M. Irani (Reg. No. 31,028); Wei Wei Jeang (Reg. No. 33,305); Mark P. Kahler (Reg. No. 29,178); Warren B. Kice (Reg. No. 22,732); J. Andrew Lowes (Reg. No. 40,706); Todd Mattingly (Reg. No. 40,298); Julie M. Nickols (Reg. No. 50,826); Gloria Norberg (Reg. No. 36,706); David M. O'Dell (Reg. No. 42,044); T. Murray Smith (Reg. No. 30,222); and Chien Wei Chou (Reg. No. 41,672).

Please address all correspondence and telephone calls regarding this application to:

David M. O'Dell  
Attorney for Applicants  
Haynes and Boone, LLP  
901 Main Street, Suite 3100  
Dallas, TX 75202-3789  
(214) 972-739-8635 - Phone  
(214) 200-0853 - Fax

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventors of the above-identified patent application to the above-identified assignee as shown below:


Assignment from inventors to Taiwan Semiconductor Manufacturing  
Company recorded on June 5, 2000 at Reel 10887 Frame 0835

The undersigned has reviewed all the documents in the chain of title of the above-identified patent application and, to the best of the undersigned's knowledge and belief, title is in the above-identified assignee. The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true; and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

Taiwan Semiconductor Manufacturing Company, Ltd.

  
Chien Wei Chou  
Director, IP Division

HAYNES AND BOONE, LLP  
901 Main Street, Suite 3100  
Dallas, TX 75202  
Phone: 972-739-3789  
Fax: 214-200-0853

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below.	
Name	<u>Bonnie Boyle</u>
Date	<u>8-2-04</u>